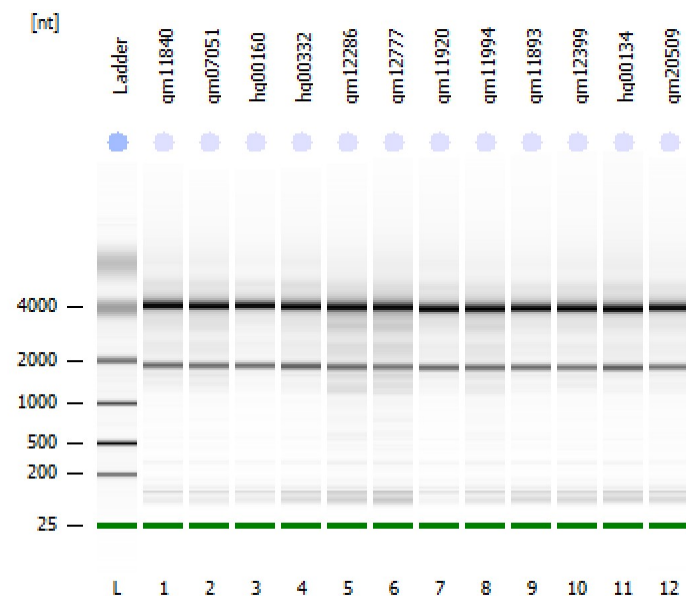


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-19_15-26-33.xad

Created: 10/19/2011 3:26:32 PM
Modified: 10/19/2011 3:50:43 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE04105537
Serial#: DE04105537

Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

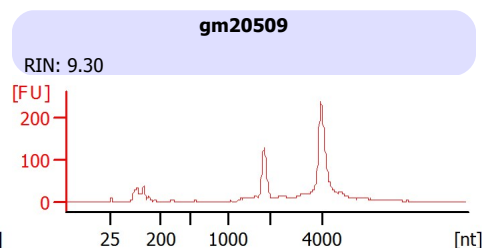
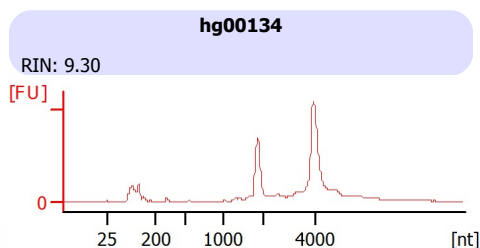
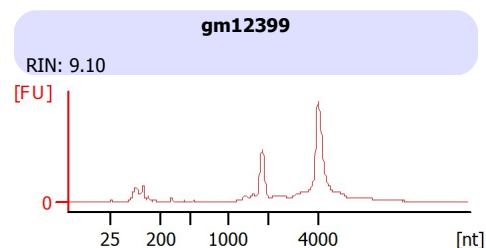
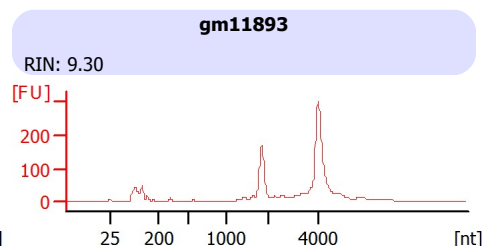
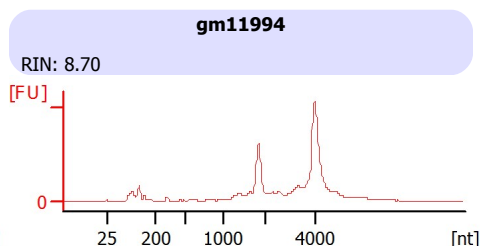
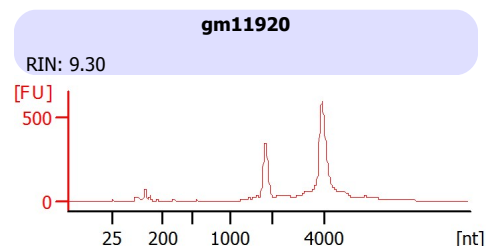
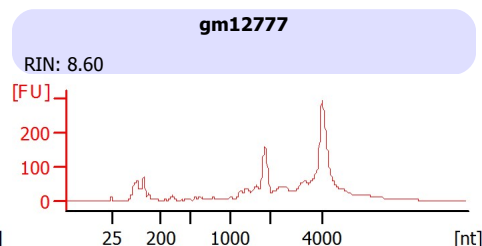
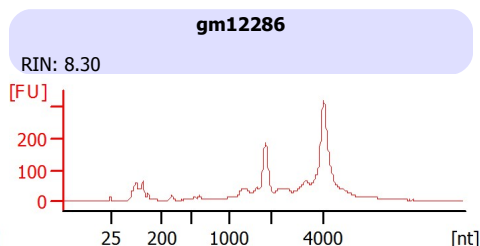
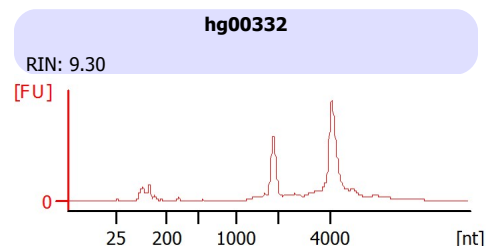
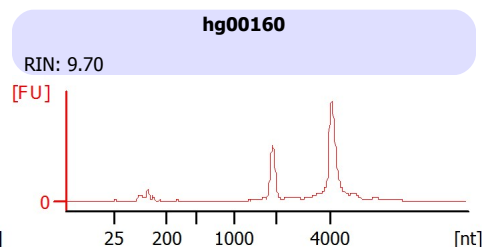
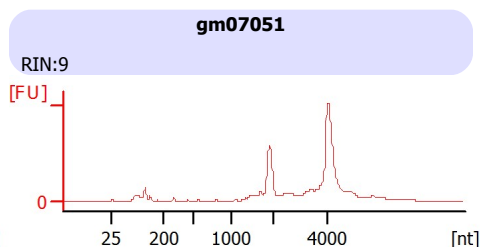
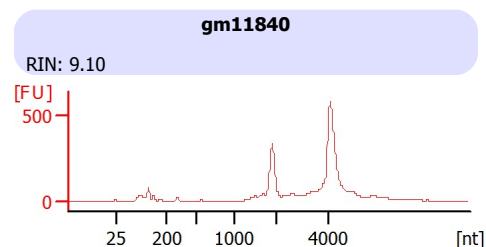
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-19_15-26-33.xad

Created: 10/19/2011 3:26:32 PM
Modified: 10/19/2011 3:50:43 PM

Electrophoresis File Run Summary (Chip Summary)

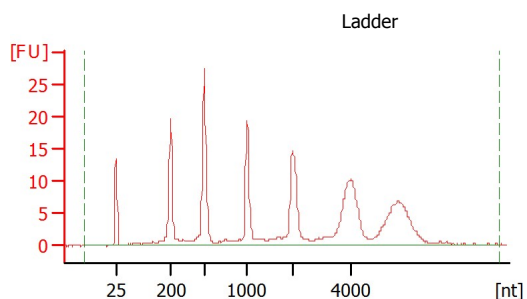
Sample Name	Sample Comment	Status	Result Label	Result Color
gm11840		✓	RIN: 9.10	
gm07051		✓	RIN:9	
hg00160		✓	RIN: 9.70	
hg00332		✓	RIN: 9.30	
gm12286		✓	RIN: 8.30	
gm12777		✓	RIN: 8.60	
gm11920		✓	RIN: 9.30	
gm11994		✓	RIN: 8.70	
gm11893		✓	RIN: 9.30	
gm12399		✓	RIN: 9.10	
hg00134		✓	RIN: 9.30	
gm20509		✓	RIN: 9.30	
Ladder		✓	All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-19_15-26-33.xad

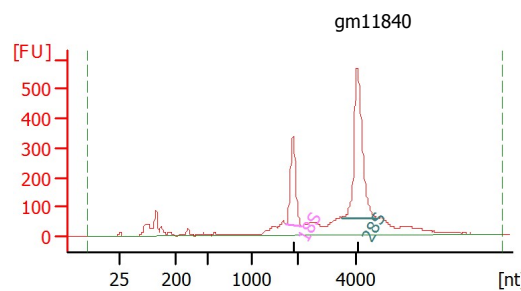
Created: 10/19/2011 3:26:32 PM
 Modified: 10/19/2011 3:50:43 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 253.1
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

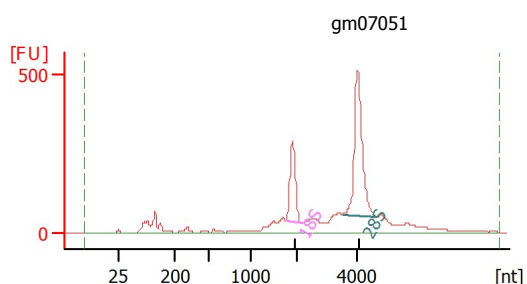


Overall Results for sample 1 : gm11840

RNA Area: 3,845.2
 RNA Concentration: 2,279 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 9.1 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.10

Fragment table for sample 1 : gm11840

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,745	2,177	517.3	13.5
28S	3,514	4,749	1,107.2	28.8

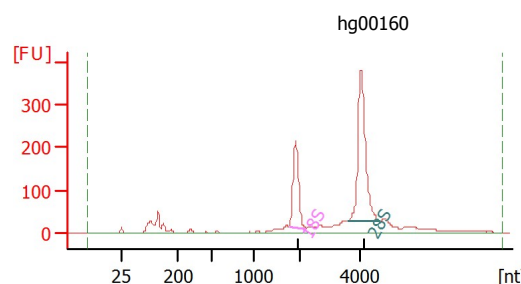


Overall Results for sample 2 : gm07051

RNA Area: 3,451.1
 RNA Concentration: 2,045 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9

Fragment table for sample 2 : gm07051

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,742	2,152	442.9	12.8
28S	3,535	4,703	941.6	27.3



Overall Results for sample 3 : hg00160

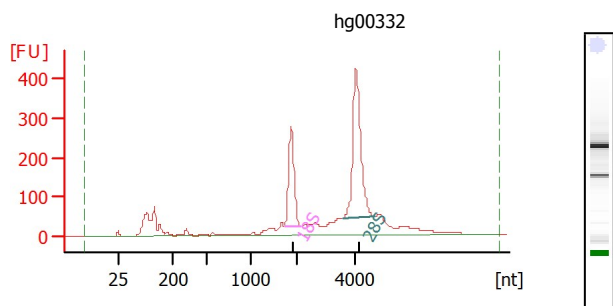
RNA Area: 2,021.2
 RNA Concentration: 1,198 ng/μl
 rRNA Ratio [28s / 18s]: 2.0
 RNA Integrity Number (RIN): 9.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.70

Fragment table for sample 3 : hg00160

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,742	2,180	347.3	17.2
28S	3,636	4,746	689.2	34.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-19_15-26-33.xad

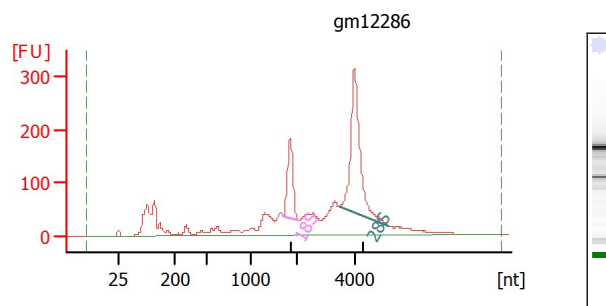
Created: 10/19/2011 3:26:32 PM
Modified: 10/19/2011 3:50:43 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : hg00332**

RNA Area: 2,951.0
RNA Concentration: 1,749 ng/μl
rRNA Ratio [28s / 18s]: 1.8
RNA Integrity Number (RIN): 9.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.30

Fragment table for sample 4 : hg00332

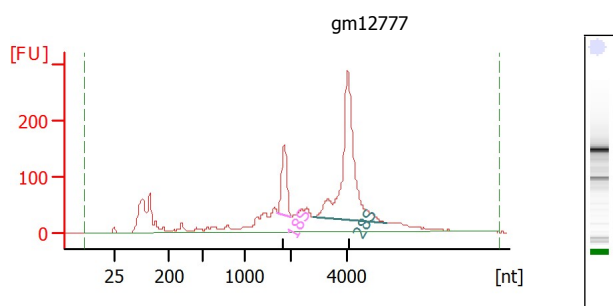
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,722	2,151	444.0	15.0
28S	3,552	4,678	800.8	27.1

**Overall Results for sample 5 : gm12286**

RNA Area: 2,882.2
RNA Concentration: 1,708 ng/μl
rRNA Ratio [28s / 18s]: 2.5
RNA Integrity Number (RIN): 8.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.30

Fragment table for sample 5 : gm12286

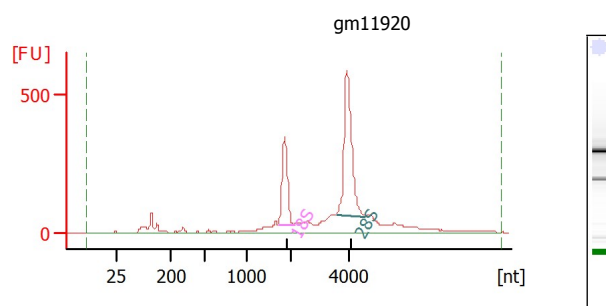
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,709	2,060	262.1	9.1
28S	3,499	5,186	660.9	22.9

**Overall Results for sample 6 : gm12777**

RNA Area: 2,778.3
RNA Concentration: 1,647 ng/μl
rRNA Ratio [28s / 18s]: 4.1
RNA Integrity Number (RIN): 8.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.60

Fragment table for sample 6 : gm12777

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,711	2,040	207.4	7.5
28S	2,804	5,390	846.7	30.5

**Overall Results for sample 7 : gm11920**

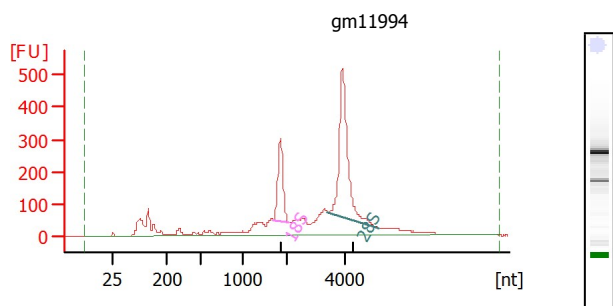
RNA Area: 3,646.9
RNA Concentration: 2,162 ng/μl
rRNA Ratio [28s / 18s]: 2.0
RNA Integrity Number (RIN): 9.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.30

Fragment table for sample 7 : gm11920

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,700	2,082	544.0	14.9
28S	3,555	4,600	1,095.1	30.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-19_15-26-33.xad

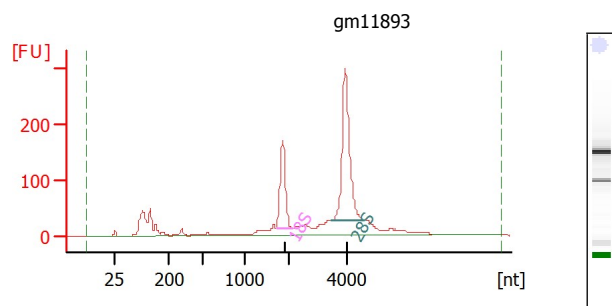
Created: 10/19/2011 3:26:32 PM
Modified: 10/19/2011 3:50:43 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : gm11994**

RNA Area: 4,020.5
RNA Concentration: 2,383 ng/μl
rRNA Ratio [28s / 18s]: 2.4
RNA Integrity Number (RIN): 8.7 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.70

Fragment table for sample 8 : gm11994

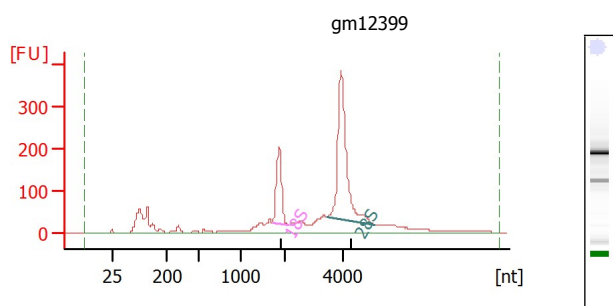
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,695	2,079	436.0	10.8
28S	3,428	5,221	1,066.9	26.5

**Overall Results for sample 9 : gm11893**

RNA Area: 1,880.0
RNA Concentration: 1,114 ng/μl
rRNA Ratio [28s / 18s]: 2.1
RNA Integrity Number (RIN): 9.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.30

Fragment table for sample 9 : gm11893

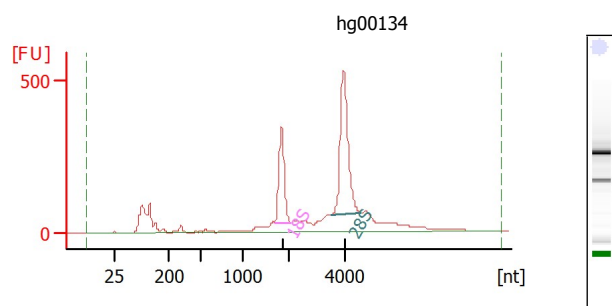
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,705	2,108	269.1	14.3
28S	3,502	4,599	556.8	29.6

**Overall Results for sample 10 : gm12399**

RNA Area: 2,680.4
RNA Concentration: 1,589 ng/μl
rRNA Ratio [28s / 18s]: 2.6
RNA Integrity Number (RIN): 9.1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.10

Fragment table for sample 10 : gm12399

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,702	2,091	316.8	11.8
28S	3,491	5,188	828.9	30.9

**Overall Results for sample 11 : hg00134**

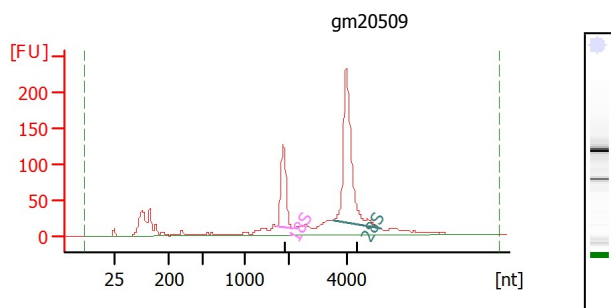
RNA Area: 3,900.4
RNA Concentration: 2,312 ng/μl
rRNA Ratio [28s / 18s]: 1.8
RNA Integrity Number (RIN): 9.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.30

Fragment table for sample 11 : hg00134

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,694	2,107	558.2	14.3
28S	3,518	4,573	1,028.8	26.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-19_15-26-33.xad

Created: 10/19/2011 3:26:32 PM
Modified: 10/19/2011 3:50:43 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : gm20509**

RNA Area: 1,461.8
RNA Concentration: 866 ng/μl
rRNA Ratio [28s / 18s]: 2.5
RNA Integrity Number (RIN): 9.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.30

Fragment table for sample 12 : gm20509

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
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18S	1,709	2,127	192.6	13.2
28S	3,540	5,175	478.1	32.7